

CLAIMS

1. A recording apparatus comprising:

first recording means for recording image data and first reference type data referring to said image data on a recording medium; and

second recording means for recording second reference type data referring to one or a plurality of said image data and/or to one or a plurality of said first reference type data.

10 2. An apparatus according to claim 1, wherein said first recording means records said first reference type data, which is automatically generated according to operation for recording said input image data on said recording medium, on said recording medium.

15 3. An apparatus according to claim 1, wherein said second recording means records said second reference type data, which is generated on the basis of said image data and/or said first reference type data which has been recorded on said recording medium by said first recording means, on said recording medium.

20 4. An apparatus according to claim 1, wherein said first recording means records said first reference type data, which is automatically generated according to operation for recording said input image data on said recording medium, on said recording

medium, and said second recording means records said second reference type data, which is generated on the basis of said image data and/or said first reference type data which has been recorded on said recording medium by said first recording means, on said recording medium.

5. An apparatus according to claim 1, further comprising editing means for editing said first reference type data, wherein said editing means edits at least one first reference type data to generate 10 said second reference type data.

6. An apparatus according to claim 5, wherein said editing means can perform at least one of editing processes of division, combination, and 15 partial deletion of said image data.

7. An apparatus according to claim 1, wherein said first reference type data has a first time coordinate system and directly refers to said recorded image data, and said second reference type 20 data has a second time coordinate system independent of said first time coordinate system and indirectly refers to said image data by referring to said first reference type data.

8. An apparatus according to claim 7, wherein said first reference type data is moving image data including QuickTime or an expansion format of 25 QuickTime.

9. An apparatus according to claim 7, wherein said second reference type data is play list data describing a reproducing mode of said image data recorded on said recording medium.

5 10. An apparatus according to claim 1, further comprising reproducing means for reproducing data recorded on said recording medium, wherein said reproducing means can reproduce respective image data according to said first reference type data and said
10 second reference type data.

11. A recording apparatus comprising:
a recording unit which records image data and first reference type data referring to said image data on a recording medium; and
15 an editing unit which generates second reference type data referring to one or a plurality of said image data and/or to one or a plurality of said first reference type data.

12. An apparatus according to claim 11, wherein
20 said recording unit automatically generates said first reference type data to record said first reference type data on said recording medium, in accordance with operation for recording said input image data on said recording medium.

25 13. An apparatus according to claim 11, wherein
said editing unit generates said second reference type data to record said second reference type data,

on said recording medium on the basis of said image data and/or said first reference type data which has been recorded on said recording medium by said recording unit.

5 14. An apparatus according to claim 11, wherein said recording unit automatically generates said first reference type data to record said first reference type data on said recording medium, in accordance with the operation for recording said input image data on said recording medium, and said editing unit generates said second reference data to record said second reference type data on said recording medium, on the basis of said image data and/or said first reference type data which has been recorded on said recording medium by said recording unit.

10 15. An apparatus according to claim 11, wherein said first reference type data has a first time coordinate system and directly refers to said recorded image data, and said second reference type data has a second time coordinate system independent of said first time coordinate system and indirectly refers to said image data by referring to said first reference type data.

15 16. An apparatus according to claim 11, further comprising a reproducing unit which reproduces data recorded on said recording medium, wherein said

reproducing unit can reproduce respective image data according to said first reference type data and said second reference type data.

17. An apparatus according to claim 11, wherein
5 said first reference type data is moving image data including QuickTime or an expansion format of QuickTime, and said second reference type data is play list data describing a reproducing mode of said image data recorded on said recording medium.

10 18. A recording method comprising:
a first recording step of recording image data and first reference type data referring to said image data on a recording medium; and
a second recording step of recording second
15 reference type data referring to one or a plurality of said image data and/or to one or a plurality of said first reference type data.